```
<110> AVRAMEAS, ALEXANDRE
<120> amino acid sequences facilitating penetration of a substance of
       interest into cells and/or cell nuclei
<130> 62745.000020
<140> 10/568,108
<141> 2006-02-13
<150> PCT/IB2004/002936
<151> 2004-08-13
<150> EP 03292030.8
<151> 2003-08-14
<150> FR 0309962
<151> 2003-08-14
<160> 20
<170> PatentIn version 3.3
<210> 1
<211> 16
<212> PRT
<213> Homo sapiens
<400> 1
Leu Arg Arg Glu Arg Gln Ser Arg Leu Arg Arg Glu Arg Gln Ser Arg
<210> 2
<211> 22
<212> PRT
<213> Homo sapiens
<400> 2
Gly Ala Tyr Asp Leu Arg Arg Glu Arg Gln Ser Arg Leu Arg Arg
                                   10
Arg Glu Arg Gln Ser Arg
           20
<210> 3
<211> 14
<212> PRT
<213> Homo sapiens
```

<400> 3

```
Ser Arg Arg Ala Arg Arg Ser Pro Arg His Leu Gly Ser Gly
<210> 4
<211> 16
<212> PRT
<213> Homo sapiens
<400> 4
Arg Lys Lys Arg Arg Glu Ser Arg Lys Lys Arg Arg Glu Ser
<210> 5
<211> 18
<212> PRT
<213> Homo sapiens
<400> 5
Arg Lys Lys Arg Arg Glu Ser Arg Arg Ala Arg Arg Ser Pro Arg
                                   10
His Leu
<210> 6
<211> 17
<212> PRT
<213> Homo sapiens
<400> 6
Gly Arg Pro Arg Glu Ser Gly Lys Lys Arg Lys Arg Lys Arg Leu Lys
Pro
<210> 7
<211> 19
<212> PRT
<213> Homo sapiens
<400> 7
Ser Arg Arg Ala Arg Arg Ser Pro Arg Glu Ser Gly Lys Lys Arg Lys
                                  10
```

```
<210> 8
<211> 15
<212> PRT
<213> Homo sapiens
<400> 8
Gly Lys Arg Lys Lys Gly Lys Leu Gly Lys Lys Arg Asp Pro
                5
<210> 9
<211> 17
<212> PRT
<213> Homo sapiens
<400> 9
Gly Lys Arg Lys Lys Gly Lys Leu Gly Lys Lys Arg Pro Arg Ser
               5
Arg
<210> 10
<211> 19
<212> PRT
<213> Homo sapiens
<400> 10
Val Lys Arg Gly Leu Lys Leu Arg His Val Arg Pro Arg Val Thr Arg
               5
Met Asp Val
<210> 11
<211> 17
<212> PRT
<213> Homo sapiens
<400> 11
Leu Arg Arg Glu Arg Gln Ser Arg Leu Arg Arg Glu Arg Gln Ser Arg
```

Arg Lys Arg

Cys

3

```
<210> 12
 <211> 17
 <212> PRT
 <213> Homo sapiens
 <400> 12
Arg Lys Lys Arg Arg Glu Ser Arg Lys Lys Arg Arg Glu Ser
                                   10
Cys
<210> 13
 <211> 20 ·
 <212> PRT
<213> Homo sapiens
<400> 13
Cys Val Lys Arg Gly Leu Lys Leu Arg His Val Arg Pro Arg Val Thr
Arg Met Asp Val
<210> 14
 <211> 23
<212> PRT
<213> Homo sapiens
<400> 14
Cys Gly Ala Tyr Asp Leu Arg Arg Glu Arg Gln Ser Arg Leu Arg
Arg Arg Glu Arg Gln Ser Arg
            20
<210> 15
' <211> 18
<212> PRT
<213> Homo sapiens
<400> 15
Gly Lys Arg Lys Lys Gly Lys Leu Gly Lys Lys Arg Pro Arg Ser
```

```
Arg Cys
<210> 16
<211> 19
<212> PRT
<213> Homo sapiens
<400> 16
Arg Lys Lys Arg Arg Glu Ser Arg Arg Ala Arg Arg Ser Pro Arg
His Leu Cys
<210> 17
<211> 18
<212> PRT
<213> Homo sapiens
<400> 17
Gly Arg Pro Arg Glu Ser Gly Lys Lys Arg Lys Arg Lys Arg Leu Lys
Pro Cys
<210> 18
<211> 16
<212> PRT
<213> Homo sapiens
<400> 18
Gly Lys Arg Lys Lys Gly Lys Leu Gly Lys Lys Arg Asp Pro Cys
<210> 19
<211> 15
<212> PRT
<213> Homo sapiens
<400> 19
Ser Arg Arg Ala Arg Arg Ser Pro Arg His Leu Gly Ser Gly Cys
```

```
<210> 20
<211> 20.
<212> PRT
<213> Homo sapiens
<400> 20

Ser Arg Arg Ala Arg Arg Ser Pro Arg Glu Ser Gly Lys Lys Arg Lys
1 5 10 15
```